

Table 1. Observer coverage of catch landed in metric tons (mt) by non-sablefish-endorsed fixed-gear vessels by port group, observer year, and gear group as recorded by fish tickets.

Port Group	Hook and Line					Pot				
	Not Observed		Observed		Total	Not Observed		Observed		Total
	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt	mt	Percent of unobserved mt by port group	mt	Percent of observed mt by port group	mt
Year 1: Sept 2002-August 2003										
Neah Bay	6	100%			6					
Astoria	11	89%	1	11%	12					
Newport	2	100%			2					
Crescent City	2	100%			2					
Eureka	4	100%			4					
Fort Bragg						1	100%			1
San Francisco	6	83%	1	17%	7					
Monterey	117	96%	5	4%	122					
Santa Barbara	46	95%	3	5%	48					
Los Angeles	161	89%	21	11%	180					
ALL PORTS	354	92%	31	8%	383	1	100%			1
Year 2: Sept 2003-August 2004										
Puget Sound						23	100%			23
Neah Bay	5	100%			5					
Astoria	9	100%			9	5	32%	10	68%	15
Coos Bay			3	100%	3					
Crescent City	9	67%	4	33%	13	0.4	5%	7	95%	7
Fort Bragg								0.4	100%	0.4
San Francisco	9	64%	5	36%	15					
Monterey	89	99%	1	1%	90					
Santa Barbara	31	82%	7	18%	38					
Los Angeles	142	95%	8	5%	150					
ALL PORTS	295	91%	29	9%	324	28	61%	18	39%	46

Table 2. Number of observed limited entry, fixed-gear, non-sablefish-endorsed trips by observer year, port group, and gear.

Year 1: Sept 2002-August 2003

Port Group	Hook & Line		Pot		All Gears	
	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group
Astoria	4	3%			4	3%
San Francisco	2	1%			2	1%
Monterey	5	4%			5	4%
Santa Barbara	7	5%			7	5%
Los Angeles	119	87%			119	87%
ALL PORTS	137	100%			137	100%

Year 2: Sept 2003-August 2004

Port Group	Hook & Line		Pot		All Gears	
	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group	Number of trips	Percent of trips in port group
Astoria	1	2%			1	2%
Coos Bay	1	2%			1	2%
Crescent City	3	6%	8	89%	11	18%
Fort Bragg			1	11%	1	2%
Monterey	2	4%			2	3%
Santa Barbara	9	18%			9	15%
Los Angeles	35	69%			35	58%
ALL PORTS	51	100%	9	100%	22	100%

Table 3. Number of observed limited entry, fixed-gear non-sablefish-endorsed sets by depth, area, and gear. The depths used to partition sets into deep and shallow strata were 100fm north of 40° 10' N lat. and 150fm south of 40° 10' N. lat.

Area ^a Depth		Hook and Line		Pot		All Gears	
		Number of sets	Percent of sets in depth strata	Number of sets	Percent of sets in depth strata	Number of sets	Percent of sets in depth strata
Year 1: Sept 2002-August 2003							
North	Deep	11	100%			11	100%
	Shallow	0	0%			0	0%
	All Depths	11	100%			11	100%
South	Deep	193	100%			193	100%
	Shallow	0	0%			0	0%
	All Depths	193	100%			193	100%
Coastwide	Deep	204	100%			204	100%
	Shallow	0	0%			0	0%
	All Depths	204	100%			204	100%
Year 2: Sept 2003-August 2004							
North	Deep	23	96%	75	100%	98	99%
	Shallow	1	4%	0	0%	1	1%
	All Depths	24	100%	75	100%	99	100%
South	Deep	128	95%	6	100%	134	95%
	Shallow	7	5%	0	0%	7	5%
	All Depths	135	100%	6	100%	141	100%
Coastwide	Deep	151	95%	81	100%	232	97%
	Shallow	8	5%	0	0%	8	3%
	All Depths	159	100%	81	100%	240	100%

^aThe latitude used to delineate north from south is 40° 10' N. latitude.

Table 4. Discard rates for species taken from observed limited entry, fixed gear, non-sablefish-endorsed fishery by gear.

	Year 1: Sept. 2002-Aug. 2003		Year 2: Sept. 2003-Aug. 2004			
	Hook and Line		Hook and Line		Pot	
	Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Bocaccio Rockfish						
Discard	0		0	0%	0	
Retained	0		5	100%	0	
Total Catch	0		5	100%	0	
Canary Rockfish						
Discard	0		0		0	
Retained	0		0		0	
Total Catch	0		0		0	
Darkblotched Rockfish						
Discard	0	0%	3	5%	4	37%
Retained	5	100%	58	95%	6	63%
Total Catch	5	100%	62	100%	10	100%
Lingcod						
Discard	0	0%	319	81%	952	59%
Retained	31	100%	75	19%	662	41%
Total Catch	31	100%	394	100%	1,614	100%
Yelloweye Rockfish						
Retained	0		0	0%	0	
Discard	0		61	100%	0	
Total Catch	0		61	100%	0	
Dover sole						
Discard	580	63%	334	63%	1	100%
Retained	343	37%	194	37%	0	0%
Total Catch	923	100%	528	100%	1	100%
Longspine Thornyhead						
Discard	1,578	54%	553	36%	0	
Retained	1,347	46%	989	64%	0	
Total Catch	2,925	100%	1,542	100%	0	
Shortspine Thornyhead						
Discard	4,498	17%	2,280	11%	0	
Retained	22,201	83%	18,670	89%	0	
Total Catch	26,699	100%	20,949	100%	0	
Mixed Thornyheads						
Discard	1,618	24%	2	0%	0	
Retained	5,204	76%	7,841	100%	0	
Total Catch	6,822	100%	7,844	100%	0	
Sablefish						
Discard	18,972	38%	18,343	27%	35,511	69%
Retained	30,731	62%	50,430	73%	15,700	31%
Total Catch	49,703	100%	68,773	100%	51,211	100%

Table 4 (cont.). Discard rates for species taken from observed limited entry, fixed gear, non-sablefish-endorsed fishery by gear.

	Year 1: Sept. 2002- Aug. 2003		Year 2: Sept. 2003-Aug. 2004			
	Hook and Line		Hook and Line		Pot	
	Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Pacific Hake						
Discard	258	74%	115	69%	0	
Retained	91	26%	50	31%	0	
Total Catch	349	100%	165	100%	0	
Arrowtooth Flounder						
Discard	0	0%	0		9	100%
Retained	18	100%	0		0	0%
Total Catch	18	100%	0		9	100%
Petrale Sole						
Discard	0		0	0%	0	
Retained	0		8	100%	0	
Total Catch	0		8	100%	0	
Other Flatfish						
Discard	0		0	0%	0	
Retained	0		31	100%	0	
Total Catch	0		31	100%	0	
Black Rockfish						
Discard	0		0		0	
Retained	0		0		0	
Total Catch	0		0		0	
Other Nearshore Rockfish						
Discard			29	6%	0	
Retained			463	94%	0	
Total Catch			492	100%	0	
Yellowtail Rockfish						
Discard	0		0		0	
Retained	0		0		0	
Total Catch	0		0		0	
Other Shelf Rockfish						
Discard	22	84%	20	15%	0	
Retained	4	16%	115	85%	0	
Total Catch	26	100%	134	100%	0	
Other Slope Rockfish						
Discard	124	3%	383	6%	14	7%
Retained	3,817	97%	6,545	94%	187	93%
Total Catch	3,941	100%	6,927	100%	201	100%

Table 4(cont).. Discard rates for species taken from observed limited entry, fixed gear, non-sablefish-endorsed fishery by gear.

	Year 1: Sept. 2002- Aug. 2003		Year 2: Sept. 2003-Aug. 2004			
	Hook and Line		Hook and Line		Pot	
	Pounds of species	Percent	Pounds of species	Percent	Pounds of species	Percent
Cabezon						
Discard	0		0		0	
Retained	0		0		0	
Total Catch	0		0		0	
Other Roundfish						
Discard	380	5%	49	100%	0	
Retained	6,705	95%	0	0%	0	
Total Catch	7,085	100%	49	100%	0	
Pacific Halibut						
Discard	22	31%	27	100%	0	
Retained	49	69%	0	0%	0	
Total Catch	71	100%	27	100%	0	

Table 5. Ratio estimate and standard errors for the total bycatch of eight overfished species per 100 pounds of retained sablefish, thornyheads, other roundfish, and other slope rockfish in deep water by area and year for 2004 observed fixed gear non-sablefish-endorsement fishery sets. Deep water is defined as depth greater than 100fm north of 40° 10' N lat. and 150fm south of 40° 10' N. lat. Standard errors cannot be calculated when there is only one set in a category.

Species Area ^a		Year 1: Sept. 2002-Aug. 2003			Year 2: Sept. 2003-Aug. 2004					
		Hook and Line			Hook and Line			Pot		
		Number of observed sets	Species catch per 100 lb of retained thornyheads, sablefish, other roundfish, and other slope rockfish		Number of observed sets	Species catch per 100 lb of retained thornyheads, sablefish, other roundfish, and other slope rockfish		Number of observed sets	Species catch per 100 lb of retained thornyheads, sablefish, other roundfish, and other slope rockfish	
			ratio	se		ratio	se		ratio	se
Bocaccio	North	11	0.000		23	0.000		75	0.000	
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.000		81	0.000	
Canary	North	11	0.000		23	0.000		75	0.000	
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.000		81	0.000	
Cowcod	North	11	0.000		23	0.000		75	0.000	
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.000		81	0.000	
Darkblotched	North	11	0.197	0.133	23	0.169	0.160	75	0.066	0.034
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.011	0.008	151	0.102	0.097	81	0.062	0.032
Lingcod	North	11	1.221	1.221	23	0.310	0.158	75	10.302	3.249
	South	193	0.000		128	0.050	0.045	6	9.921	9.921
	Coastwide	204	0.066	0.066	151	0.207	0.102	81	10.280	3.108
Pacific Ocean	North	11	0.000		23	0.000		75	0.000	
Perch	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.000		81	0.000	
Widow	North	11	0.000		23	0.000		75	0.000	
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.000		81	0.000	
Yelloweye	North	11	0.000		23	0.167	0.167	75	0.000	
Rockfish	South	193	0.000		128	0.000		6	0.000	
	Coastwide	204	0.000		151	0.101	0.101	81	0.000	

^aThe latitude used to delineate north from south is 40° 10' N. latitude.